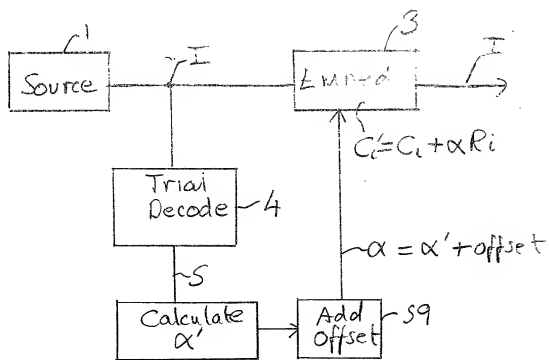


1/



S3-S8

Figure 1

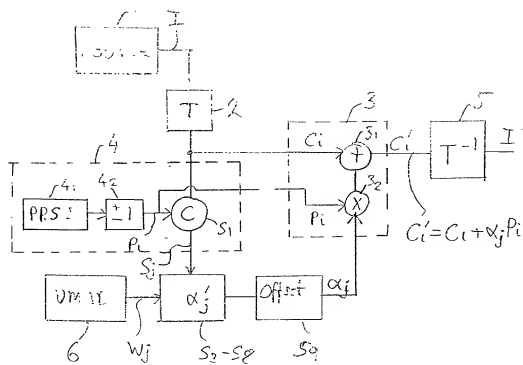


Figure 2

31.

I-00-81

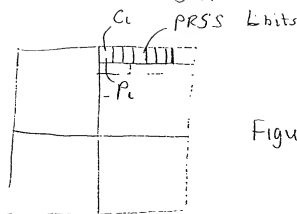
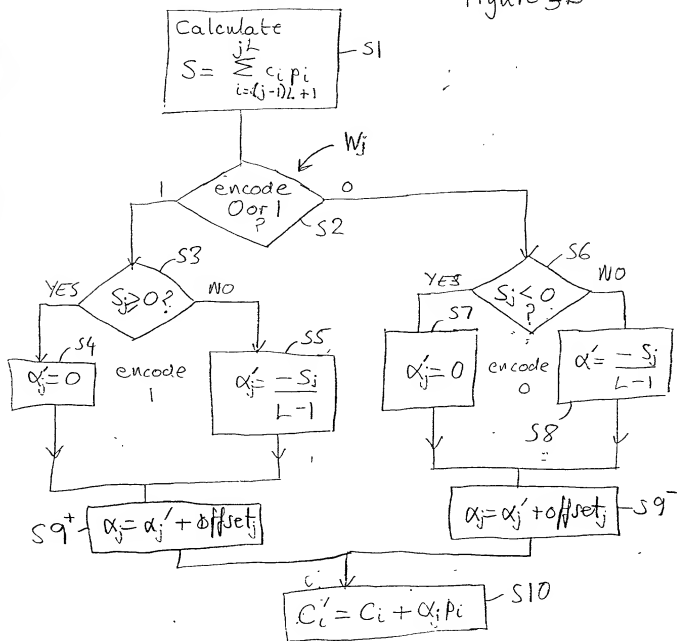


Figure 34

Embedder

Figure 35



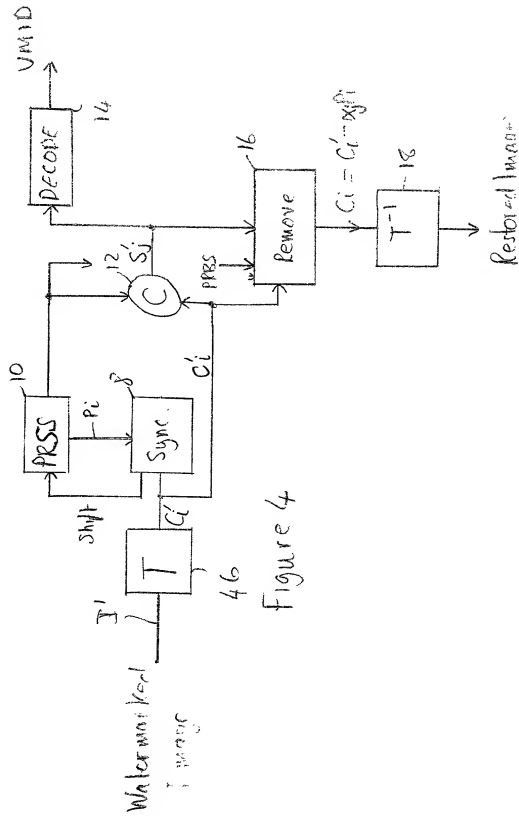


Figure 4

5/

Removal of Watermark

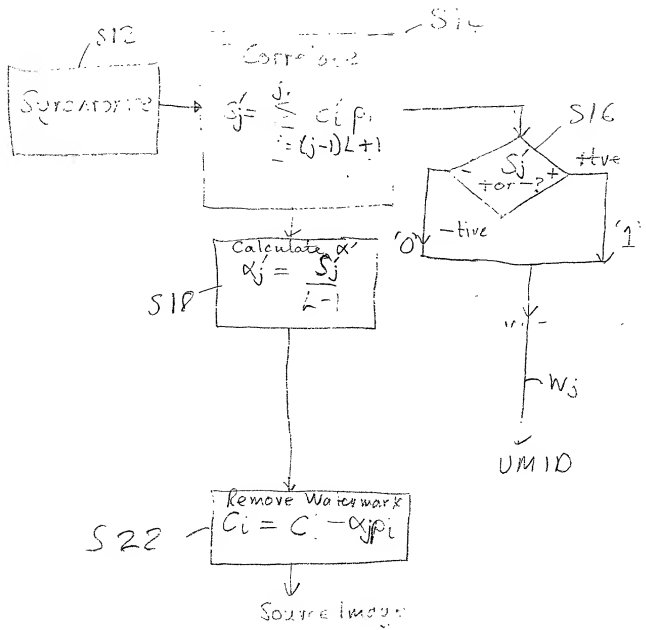


Figure 5

6/

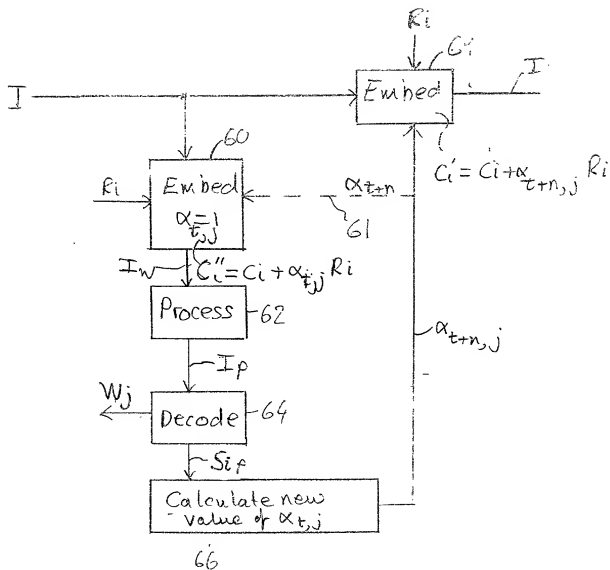


Figure 6

7/

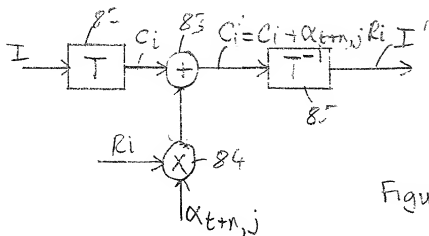
Embed

Figure 8

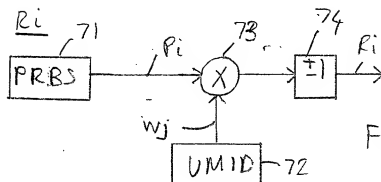


Figure 7

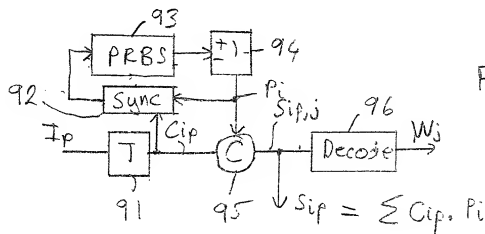
Decode

Figure 9

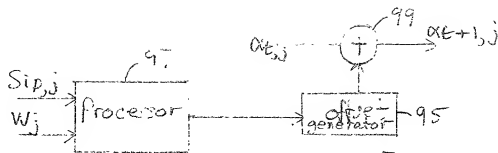


Figure 10A

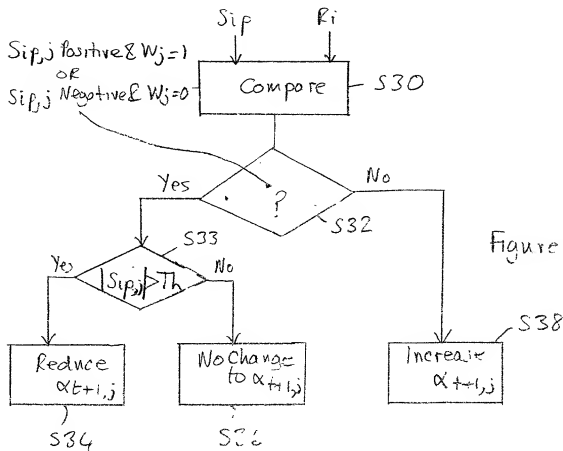


Figure 10B

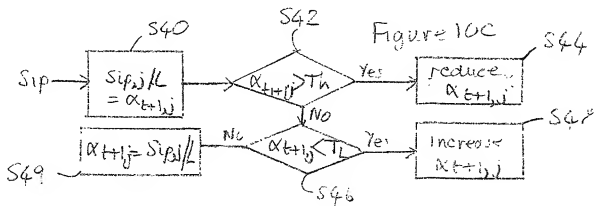
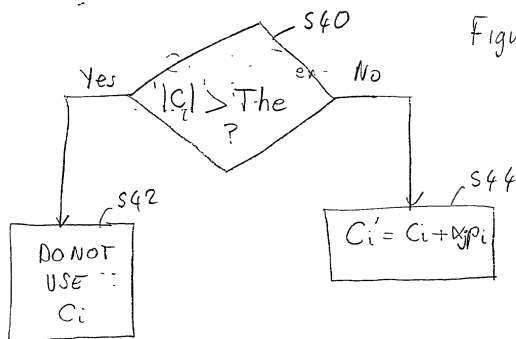


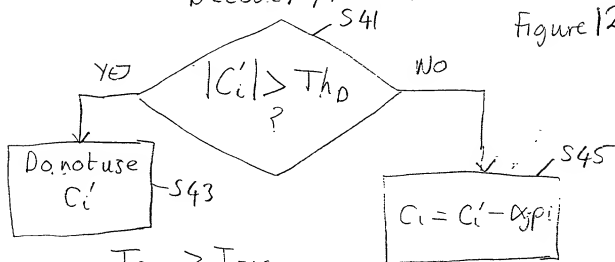
Figure 10C

- 9/

Embedder



Decoder/Remover



$T_{DEC} > T_{ENC}$

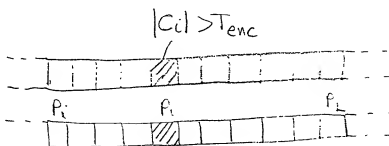
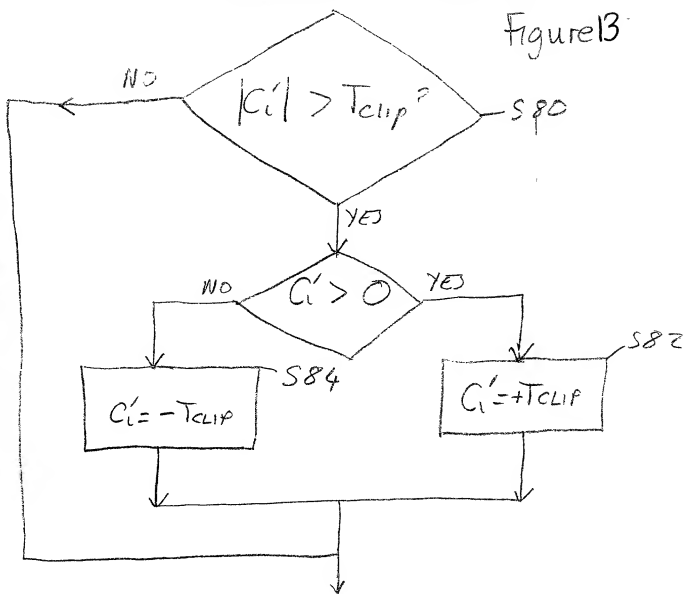


Figure 11B

101

Decoder and Remove

Figure B



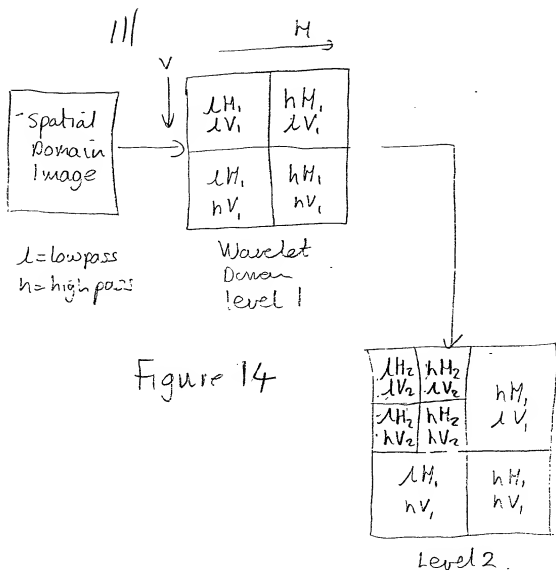


Figure 14

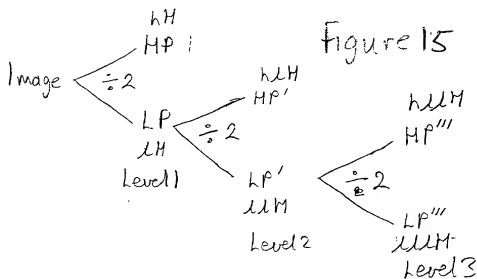


Figure 15

Schematic of Wavelet Transform.

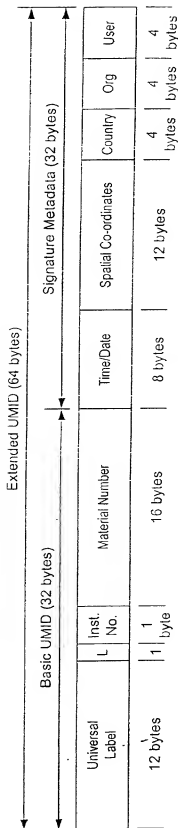


Fig. 16 Basic and Extended UMID Structures.



Fig. 17